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Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	03/16/2017	66000004282	Date of first issue: 2017/03/16

SECTION 1. IDENTIFICATION

Product name	:	PALMOLIVE ECO+ DISHWASH MACHINE GEL LEMON SPLASH B02930530010		
Product code	:	20000052751		
Manufacturer or supplier's c	deta	ails		
Company name of supplier	:	Colgate-Palmolive Co 300 Park Avenue New York, NY 10022		
Telephone	:	US: Consumer Affairs - 1-800-468-6502		
Emergency telephone num- ber	:	For emergencies involving spill, leak, fire, exposure or accident call CHEMTREC (24hr) at (800) 424-9300 or (703) 527-3887.		
		Global-CHEMTREC- +1 703-741-5970		
Recommended use of the chemical and restrictions on use				

Recommended use	:	A formulated dishwashing liquid
		, rionnalated alonnaching liquid

SECTION 2. HAZARDS IDENTIFICATION

GHS classification in accor Skin irritation	dan :	
Eye irritation	:	Category 2A
GHS label elements Hazard pictograms	:	
Signal word	:	Warning
Hazard statements	:	H315 Causes skin irritation.



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Version 1.0	Revision Date: 03/16/2017	SDS Number: 660000004282	Date of last issue: - Date of first issue: 2017/03/16
		H319 Causes se	erious eye irritation.
Preca	utionary statements		thoroughly after handling. ective gloves/ eye protection/ face protection.
		Response: P302 + P352 IF P305 + P351 + I for several minu to do. Continue P332 + P313 If tion. P337 + P313 If o tion.	ON SKIN: Wash with plenty of soap and water. P338 IF IN EYES: Rinse cautiously with water tes. Remove contact lenses, if present and easy

Other hazards

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous components

Chemical name	CAS-No.	Concentration (% w/w)
SODIUM CARBONATE	497-19-8	>= 5 - < 10
SODIUM SILICATE	1344-09-8	>= 1 - < 5
SODIUM HYPOCHLORITE	7681-52-9	>= 1 - < 5

SECTION 4. FIRST AID MEASURES

General advice	:	Move out of dangerous area. Show this safety data sheet to the doctor in attendance. Do not leave the victim unattended.
If inhaled	:	If unconscious, place in recovery position and seek medical advice. If symptoms persist, call a physician.
In case of skin contact	:	If skin irritation persists, call a physician. If on skin, rinse well with water. If on clothes, remove clothes.
In case of eye contact	:	Immediately flush eye(s) with plenty of water. Remove contact lenses. Protect unharmed eye. Keep eye wide open while rinsing. If eye irritation persists, consult a specialist.
If swallowed	:	Keep respiratory tract clear.



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Version 1.0	Revision Date: 03/16/2017	SDS Number: 660000004282	Date of last issue: - Date of first issue: 2017/03/16	
		Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician.		
Most important symptoms and effects, both acute and delayed		: Causes skin irrita Causes serious		

SECTION 5. FIREFIGHTING MEASURES

Unsuitable extinguishing media	:	High volume water jet
Specific hazards during fire- fighting	:	Do not allow run-off from fire fighting to enter drains or water courses.
Hazardous combustion prod- ucts	:	No hazardous combustion products are known
Further information	:	Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.
Special protective equipment for firefighters	:	Wear self-contained breathing apparatus for firefighting if necessary.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protec- tive equipment and emer- gency procedures	:	Use personal protective equipment.
Environmental precautions	:	Prevent product from entering drains. Prevent further leakage or spillage if safe to do so. If the product contaminates rivers and lakes or drains inform respective authorities.
Methods and materials for containment and cleaning up	:	Neutralise with acid. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Keep in suitable, closed containers for disposal.

SECTION 7. HANDLING AND STORAGE

Advice on protection against fire and explosion	:	Normal measures for preventive fire protection.
Advice on safe handling	:	Do not breathe vapours/dust. Avoid contact with skin and eyes.



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Version 1.0	Revision Date: 03/16/2017	SDS Number: 660000004282	Date of last issue: - Date of first issue: 2017/03/16	
		For personal protection see section 8. Smoking, eating and drinking should be prohibited in the ap plication area. Dispose of rinse water in accordance with local and nationa regulations.		
Conditions for safe storage		 Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed a kept upright to prevent leakage. Electrical installations / working materials must comply with the technological safety standards. 		

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parame- ters / Permissible concentration	Basis
SODIUM HYPOCHLORITE	7681-52-9	STEL	2 mg/m3	US WEEL

Hazardous components without workplace control parameters

•	•			
Components	CAS-No.			
SODIUM CARBONATE	497-19-8			
SODIUM SILICATE	1344-09-8			
Personal protective equipment				

Respiratory protection	:	No personal respiratory protective equipment normally re- quired.
Hand protection		
Remarks	:	The suitability for a specific workplace should be discussed with the producers of the protective gloves.
Eye protection	:	Eye wash bottle with pure water Tightly fitting safety goggles Wear face-shield and protective suit for abnormal processing problems.
Skin and body protection	:	Impervious clothing Choose body protection according to the amount and con- centration of the dangerous substance at the work place.
Hygiene measures	:	When using do not eat or drink. When using do not smoke. Wash hands before breaks and at the end of workday.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES



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Version 1.0	Revision Date: 03/16/2017	SDS Number:Date of last issue: -660000004282Date of first issue: 2017/03/16	
Арреа	arance	: liquid	
Colou	r	: white	
рН		: 11	
Flash	point	: No data available	
Densi	ty	: 1.16 g/cm3	

SECTION 10. STABILITY AND REACTIVITY

Reactivity	:	No decomposition if stored and applied as directed.
Chemical stability	:	No decomposition if stored and applied as directed.
Possibility of hazardous reac- tions	:	No decomposition if stored and applied as directed.
Conditions to avoid	:	No data available

SECTION 11. TOXICOLOGICAL INFORMATION

Acute toxicity

Not classified based on available information.

Pr	od	uc	t:	

Acute oral toxicity	:	Acute toxicity estimate: > 5,000 mg/kg Method: Calculation method
Acute inhalation toxicity	:	Acute toxicity estimate: 146.41 mg/l Exposure time: 4 h Test atmosphere: dust/mist Method: Calculation method
Acute dermal toxicity	:	Acute toxicity estimate: > 5,000 mg/kg Method: Calculation method
Components:		
SODIUM CARBONATE:		
Acute oral toxicity	:	LD50 (Rat): 2,800 mg/kg
Acute inhalation toxicity	:	LC50 (Rat): 2,300 mg/l Exposure time: 2 h Test atmosphere: No information available. Method: No information available.
Acute dermal toxicity	:	LD50 (Rabbit): > 2,000 mg/kg



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Version 1.0	Revision Date: 03/16/2017		DS Number: 0000004282	Date of last issue: - Date of first issue: 2017/03/16
			Method: No inforr	nation available.
	UM SILICATE: oral toxicity	:	LD50 (Rat): 1,153	3 mg/kg
Acute	inhalation toxicity	:	Remarks: No data	a available
Acute	dermal toxicity	:	LD50 (Rabbit): >	5,000 mg/kg
	UM HYPOCHLORITE: oral toxicity	:	LD50 (Rat): 8,800 Method: OECD T	
Acute	inhalation toxicity	 LC50 (Rabbit): > 10.5 mg/l Exposure time: 4 h Test atmosphere: vapour Method: OECD Test Guideline 403 		h vapour
Acute	dermal toxicity	:	: LD50 (Rabbit): > 20,000 mg/kg Method: OECD Test Guideline 402	
Skin o	corrosion/irritation			

Causes skin irritation.

Components:

SODIUM CARBONATE:

Remarks: No data available

SODIUM SILICATE:

Remarks: No data available

Remarks: According to the classification criteria of the European Union, the product is not considered as being a skin irritant.

SODIUM HYPOCHLORITE:

Result: Corrosive after 3 minutes to 1 hour of exposure

Serious eye damage/eye irritation

Causes serious eye irritation.

Components:

SODIUM CARBONATE:

Result: Irritation to eyes, reversing within 21 days

SODIUM SILICATE:

Remarks: No data available



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Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	03/16/2017	66000004282	Date of first issue: 2017/03/16

Remarks: According to the classification criteria of the European Union, the product is not considered as being an eye irritant.

SODIUM HYPOCHLORITE:

Result: Irreversible effects on the eye

Respiratory or skin sensitisation

Skin sensitisation

Not classified based on available information.

Respiratory sensitisation

Not classified based on available information.

Components:

SODIUM CARBONATE:

Exposure routes: Inhalation Remarks: No data available

Exposure routes: Dermal Remarks: No data available

SODIUM SILICATE:

Exposure routes: Inhalation Remarks: No data available

Exposure routes: Dermal Remarks: No data available

Remarks: No data available

SODIUM HYPOCHLORITE:

Exposure routes: Inhalation Result: Does not cause respiratory sensitisation.

Exposure routes: Dermal Result: Does not cause skin sensitisation.

Germ cell mutagenicity

Not classified based on available information.

Carcinogenicity

Not classified based on available information. IARC No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.



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Version 1.0	Revision Date: 03/16/2017	SDS Number: 660000004282	Date of last issue: - Date of first issue: 2017/03/16
OSHA	A Contraction of the second seco		is product present at levels greater than or ntified as a carcinogen or potential carcino-
NTP		No component of this product present at levels greater th equal to 0.1% is identified as a known or anticipated card by NTP.	

Reproductive toxicity

Not classified based on available information.

STOT - single exposure

Not classified based on available information.

STOT - repeated exposure

Not classified based on available information.

Aspiration toxicity

Not classified based on available information.

Further information

Product:

Remarks: This product has not been tested as a whole. However, this formula was reviewed by expert toxicologists in the Product Safety Assurance Department of Colgate-Palmolive and is determined to be safe for its intended use. This review has taken into consideration available safety-related information including information on individual ingredients, similar formulas and potential ingredient interactions. This review is a component of the hazard determination used to prepare the statements in Section 3 of the SDS.

SECTION 12. ECOLOGICAL INFORMATION

The product has not been tested as a whole for environmental toxicity. However, environmental information on the ingredients in this product have been reviewed by the Environmental Occupational Health and Safety group of Colgate-Palmolive and determined to have an acceptable environmental profile. This evaluation is based on available information on individual ingredients, interactions of ingredients, and similar ingredients. Biodegradability claims are supported by data on ingredients (i.e., surfactants are biodegradable).

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods

Waste from residues	:	The product should not be allowed to enter drains, water courses or the soil. Do not contaminate ponds, waterways or ditches with chemi- cal or used container. Send to a licensed waste management company.
Contaminated packaging	:	Empty remaining contents. Dispose of as unused product. Do not re-use empty containers.



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Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	03/16/2017	66000004282	Date of first issue: 2017/03/16

SECTION 14. TRANSPORT INFORMATION

DOT	:	Not regulated.
TDG	:	Not regulated.
ΙΑΤΑ	:	Not regulated.
IMDG	:	Not regulated.
ADR	:	NOT REGULATED.

International Regulations

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable for product as supplied.

National Regulations

SECTION 15. REGULATORY INFORMATION

EPCRA - Emergency Planning and Community Right-to-Know Act

CERCLA Reportable Quantity

Components	CAS-No.	Component RQ (lbs)	Calculated product RQ (lbs)
SODIUM HYPOCHLORITE	7681-52-9	100	*

*: Calculated RQ exceeds reasonably attainable upper limit.

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SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

SARA 311/312 Hazards		Acute Health Hazard
SARA 302	:	No chemicals in this material are subject to the reporting re- quirements of SARA Title III, Section 302.
SARA 313	:	This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

Clean Air Act

This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B). This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 112 (40 CFR 61).



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Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	03/16/2017	66000004282	Date of first issue: 2017/03/16

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 111 SOCMI Intermediate or Final VOC's (40 CFR 60.489).

Clean Water Act

The following Hazardous Substances are listed under the U.S. CleanWater Act, Section 311, Table 116.4A:

SODIUM 7681-52-9 HYPOCHLORITE SODIUM HYDROXIDE 1310-73-2 ZINC CHLORIDE 7646-85-7

The following Hazardous Chemicals are listed under the U.S. CleanWater Act, Section 311, Table 117.3:

SODIUM	7681-52-9
HYPOCHLORITE	
SODIUM HYDROXIDE	1310-73-2
ZINC CHLORIDE	7646-85-7

This product does not contain any toxic pollutants listed under the U.S. Clean Water Act Section 307

US State Regulations

Massachusetts Right To Know		
SODIUM HYPOCHLORI	TE	7681-52-9
Pennsylvania Right To Know		
WATER SODIUM CARBONATE SODIUM SILICATE SODIUM HYPOCHLORI SODIUM HYDROXIDE ZINC CHLORIDE SODIUM SULFATE		7732-18-5 497-19-8 1344-09-8 7681-52-9 1310-73-2 7646-85-7 7757-82-6
	This product does not contain any of California to cause cancer, birth productive harm.	
California List of Hazardous Substances		
SODIUM HYPOCHLORI	TE	7681-52-9

The components of this product are reported in the following inventories:

TSCA

: All ingredients in this product are listed on the TSCA Inventory or are not required to be listed on the TSCA Inventory.

TSCA list

No substances are subject to a Significant New Use Rule.

No substances are subject to TSCA 12(b) export notification requirements.



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Version Revision Date: 1.0 03/16/2017

Date: 17

SDS Number: 660000004282 Date of last issue: -Date of first issue: 2017/03/16

SECTION 16. OTHER INFORMATION

Full text of other abbreviations

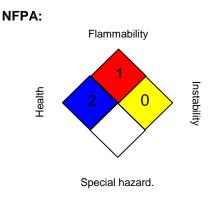
AICS - Australian Inventory of Chemical Substances; ASTM - American Society for the Testing of Materials; bw - Body weight; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DOT - Department of Transportation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; EHS - Extremely Hazardous Substance; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; HMIS - Hazardous Materials Identification System; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association: IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI -Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; MSHA - Mine Safety and Health Administration; n.o.s. - Not Otherwise Specified; NFPA - National Fire Protection Association; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; RCRA - Resource Conservation and Recovery Act; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RQ -Reportable Quantity; SADT - Self-Accelerating Decomposition Temperature; SARA - Superfund Amendments and Reauthorization Act; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB -Very Persistent and Very Bioaccumulative



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1.0	03/16/2017	660000004282	Date of first issue: 2017/03/16	

Further information



HMIS® IV:



HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks.

Revision Date : 03/16/2017

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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